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USE ONLY

ROUTING AND RECORD SHEET

7 MAY 1957

SUBJECT: (Optional)

25X1

FROM:
OFFICE OF COMMUNICATIONS
2022 BUILDING EYE

NO. EUCA 57-
FRAN 2180

DATE
30 Apr 57

TO: (Officer designation, room number, and building)	DATE REC'D	DATE FWD'D	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. OC-E				← Action →
2.				
3. Ltr to EUCA FCU-1				
4. CY 1 file				
5.				
6.				Info. OC-OAT
7.				
8.				WITH ATTACHMENT AS STATED
9.				
10.				COPY DETACHED FOR OC RECORDS CONTROL
11.				
12.				
13.				
14.				
15.				

FORM 1 DEC 55 610 USE PREVIOUS EDITIONS ☐ SECRET ☐ CONFIDENTIAL ☐ CIA INTERNAL ☐ UNCLASSIFIED

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VIA: _____ (SPECIFY AIR OR SEA POUCH)

DISPATCH NO. [redacted] 25X1

SECRET
CLASSIFICATION

TO : Chief, KUCLUB

DATE: 30 April 1957 25X1

FROM : Chief, [redacted]

SUBJECT: GENERAL— Engineering

SPECIFIC— Forwarding of Convertor Attachment

REF: (a) ENG 57-490
(b) [redacted] 25X1

Forwarded herewith are attachments as requested in reference (a).

FOR THE CHIEF, [redacted] 25X1

[redacted] 25X1

SEV/jpg

ATTACHMENTS: As stated Above.

Distribution: ~~3~~ - KUCLUB w/att
2 - [redacted] 25X1
2 - File

OFFICIAL RECORD COPY

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☐
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S (C) 2010
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: 3 DEC 1980 REVIEWER: 064540

SECRET
CLASSIFICATION

FORM NO. MAR. 1949 51-28 A

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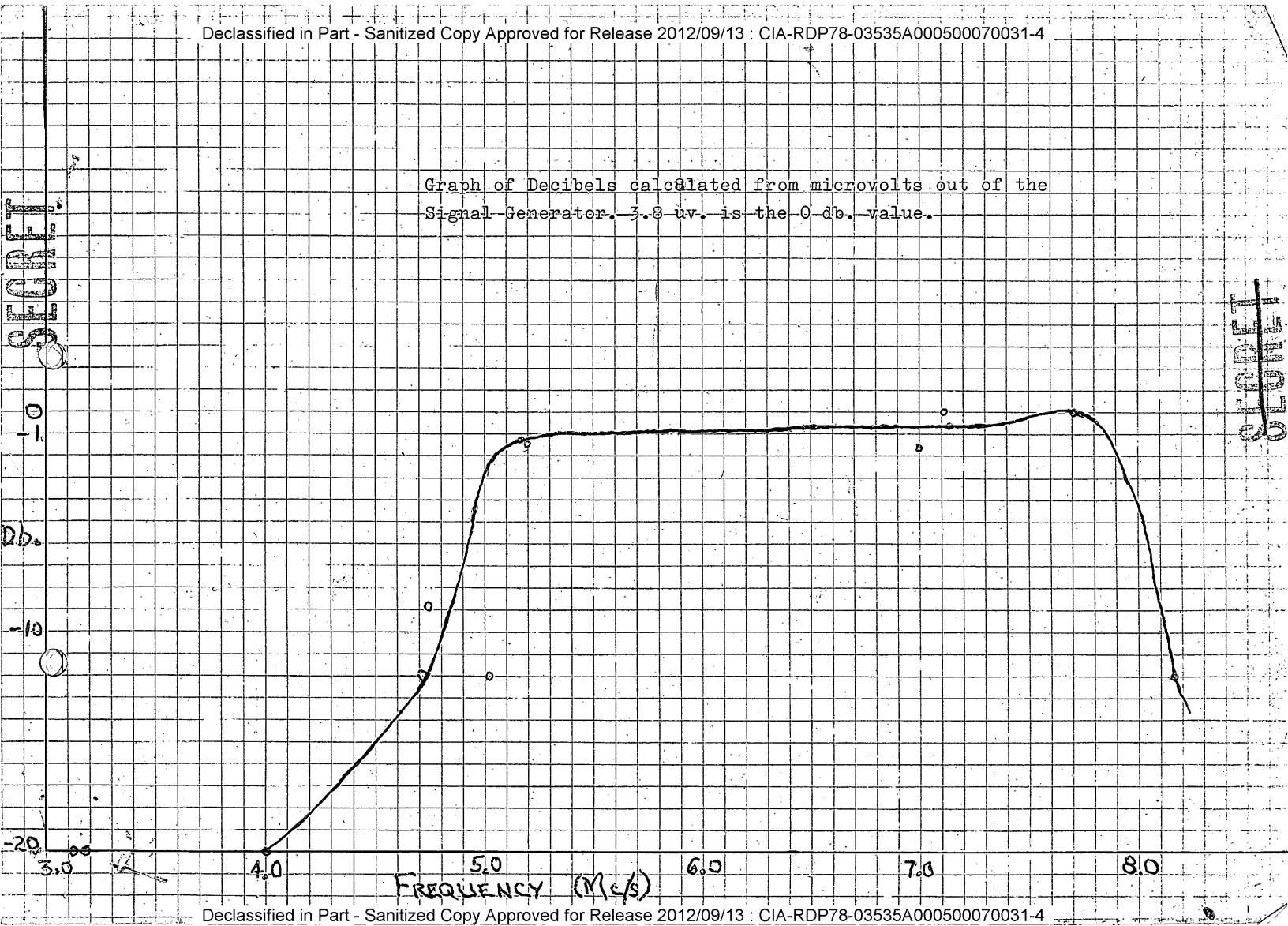
Graph of Decibels calculated from microvolts out of the Signal Generator. 3.8 uv. is the 0 db. value.



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~~SECRET~~

Chart for graph of microvolts input to FCV-1 versus Frequency.

Frequency Mc/s	E1 uv.	E2 uv.	Decibels
1.743	3.8	160K	-92.2
2.033	3.8	150K	-91.9
2.208	3.8	150K	-91.9
3.104	3.8	100K	-88.0
3.130	3.8	5K	-62.0
4.000	3.8	2.5K	-56.0
4.710	3.8	15.0	-12.0
4.743	3.8	10.0	- 8.8
5.033	3.8	15.0	-12.0
5.162	3.8	4.55	- 1.318
5.208	3.8	6.00	- 1.438
7.000	3.8	4.60	- 1.62
7.104	3.8	3.80	0.00
7.130	3.8	4.30	- 0.5348
7.710	3.8	3.8	0.000
8.162	3.8	15.00	-12.00

3.104 magecycles was the lowest frequency that was used on the graph.

~~SECRET~~

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7. In operation, the FCV-1 is similar to the CV-1. Insertion of the crystal closes the negative side of the battery circuit and thus energizes the converter. A long wire antenna, terminated in a banana plug, must be plugged into the green jack of the FCV-1. The two banana plugs of the FCV-1 must be connected to the antenna terminals of the receiver. The receiver is then turned in the vicinity of 1400 to 1600 KCS to receive the CW signal. The FCV-1 will operate most efficiently with the receiver at approximately 1500 KCS and should be tuned to that frequency. The trimmer capacitor can be adjusted to this condition. A response graph is attached. (Not received)

25X1

GBW/jpg

Attachment: As stated above.

27 March 1957

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